



SPYWOLF

Security Audit Report



Audit prepared for
PerrySwap

Completed on
March 11, 2024

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KEY RESULTS

Cannot mint new tokens	Passed
Cannot pause trading (honeypot)	Passed
Cannot blacklist an address	Passed
Cannot raise taxes over 25%?	Passed
No proxy contract detected	Passed
Not required to enable trading	Passed
No hidden ownership	Passed
Cannot change the router	Passed
No cooldown feature found	Passed
Bot protection delay is lower than 5 blocks	Passed
Cannot set max tx amount below 0.05% of total supply	Passed
The contract cannot be self-destructed by owner	Passed

For a more detailed and thorough examination of the heightened risks, refer to the subsequent parts of the report.

N/A = Not applicable for this type of contract

*Only new deposits/reinvestments can be paused





OVERVIEW

This goal of this report is to review the main aspects of the project to help investors make an informative decision during their research process.

You will find a a summarized review of the following key points:

- ✓ Contract's source code
- ✓ Owners' wallets
- ✓ Tokenomics
- ✓ Team transparency and goals
- ✓ Website's age, code, security and UX
- ✓ Whitepaper and roadmap
- ✓ Social media & online presence

“

The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal

- SPYWOLF Team -

”



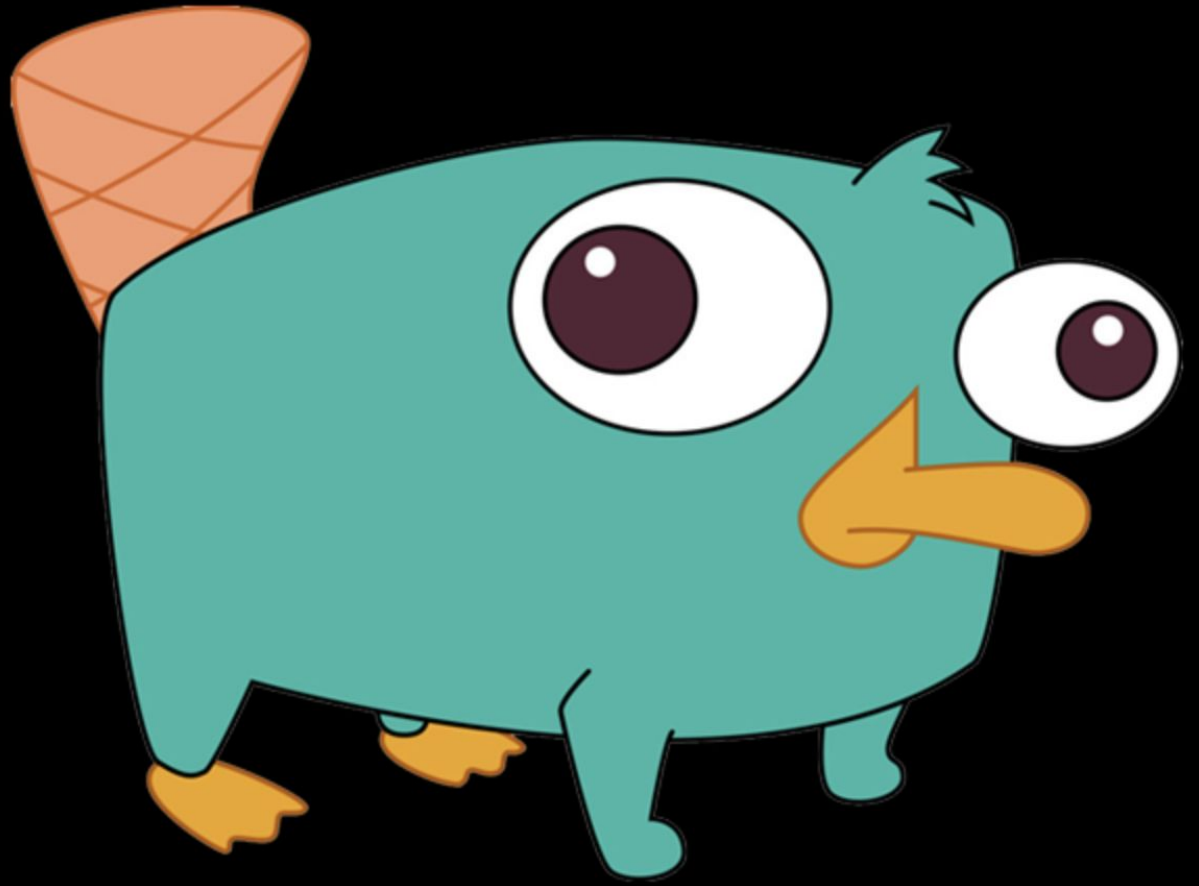


TABLE OF CONTENTS

Project Description	01
Contract Information	02
Current Stats	03
Featured Wallets	04
Vulnerability Check	05
Errors Found	06
Manual Code Review	07
Found Threats	08-A/08-B
Tokenomics	09
Website Analysis	10
Social Media & Online Presence	11
About SPYWOLF	12
Disclaimer	13



PerrySwap



PROJECT DESCRIPTION

According to their whitepaper:

PerrySwap, represented by the symbol Perry, stands at the forefront of the evolving landscape of decentralized finance (DeFi), offering a platform that redefines the way users engage with digital assets. PerrySwap is a decentralized finance (DeFi) platform offering a full suite of tools to explore and engage with the future of wealth building, overseen by the PerrySwap Decentralized Autonomous Organization (DAO).

Release Date: Presale starts in March, 2024

Category: Utility token



CONTRACT INFO

Token Name

PerrySwap

Symbol

Perry

Contract Address

0xD1f0e8be062523b764F2EB3304fE9fD8AE511377

Network

Binance Smart Chain

Language

Solidity

Deployment Date

March 06, 2024

Contract Type

Token with taxes

Total Supply

420,690,000,000,000

Status

Not launched

TAXES

Buy Tax

3%

Sell Tax

3%

*Taxes cannot be changed



Our Contract Review Process

The contract review process pays special attention to the following:

- ✓ Testing the smart contracts against both common and uncommon vulnerabilities
- ✓ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ✓ Ensuring contract logic meets the specifications and intentions of the client.
- ✓ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- ✓ Thorough line-by-line manual review of the entire codebase by industry experts.

Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat



TOKEN TRANSFERS STATS

Transfer Count	1
Uniq Senders	1
Uniq Receivers	1
Total Amount	4206900000000000 Perry
Median Transfer Amount	4206900000000000 Perry
Average Transfer Amount	4206900000000000 Perry
First transfer date	2024-03-06
Last transfer date	2024-03-06
Days token transferred	1

SMART CONTRACT STATS

Calls Count	1
External calls	1
Internal calls	0
Transactions count	1
Uniq Callers	1
Days contract called	1
Last transaction time	2024-03-06 05:37:52 UTC
Created	2024-03-06 05:37:52 UTC
Create TX	0x08fbb65f57bdb5242845e93cae821d32bc788518d8399710b0fe7bf6464b7d3
Creator	0xcd6f12fd03429ffa5a2fbe6372c307962435a17e



FEATURED WALLETS

Owner address	0xcd6F12FD03429fFa5A2Fbe6372C307962435A17e
Marketing fee receiver	0xC5685f03bBcDdEb44e3D1IdA6283aCE3d61528C8
LP address	0xC958163819AA6c96d436cCA635ea29BBEF25D4F5

TOP 3 UNLOCKED WALLETS

100%	Same as owner Tokens are not distributed yet
N/A	
N/A	



VULNERABILITY ANALYSIS

ID	Title	
SWC-100	Function Default Visibility	Passed
SWC-101	Integer Overflow and Underflow	Passed
SWC-102	Outdated Compiler Version	Passed
SWC-103	Floating Pragma	Passed
SWC-104	Unchecked Call Return Value	Passed
SWC-105	Unprotected Ether Withdrawal	Passed
SWC-106	Unprotected SELFDESTRUCT Instruction	Passed
SWC-107	Reentrancy	Passed
SWC-108	State Variable Default Visibility	Passed
SWC-109	Uninitialized Storage Pointer	Passed
SWC-110	Assert Violation	Passed
SWC-111	Use of Deprecated Solidity Functions	Passed
SWC-112	Delegatecall to Untrusted Callee	Passed
SWC-113	DoS with Failed Call	Passed
SWC-114	Transaction Order Dependence	Passed
SWC-115	Authorization through tx.origin	Passed
SWC-116	Block values as a proxy for time	Passed
SWC-117	Signature Malleability	Passed
SWC-118	Incorrect Constructor Name	Passed



VULNERABILITY ANALYSIS

ID	Title	
SWC-119	Shadowing State Variables	Passed
SWC-120	Weak Sources of Randomness from Chain Attributes	Passed
SWC-121	Missing Protection against Signature Replay Attacks	Passed
SWC-122	Lack of Proper Signature Verification	Passed
SWC-123	Requirement Violation	Passed
SWC-124	Write to Arbitrary Storage Location	Passed
SWC-125	Incorrect Inheritance Order	Passed
SWC-126	Insufficient Gas Griefing	Passed
SWC-127	Arbitrary Jump with Function Type Variable	Passed
SWC-128	DoS With Block Gas Limit	Passed
SWC-129	Typographical Error	Passed
SWC-130	Right-To-Left-Override control character (U+202E)	Passed
SWC-131	Presence of unused variables	Passed
SWC-132	Unexpected Ether balance	Passed
SWC-133	Hash Collisions With Multiple Variable Length Arguments	Passed
SWC-134	Message call with hardcoded gas amount	Passed
SWC-135	Code With No Effects	Passed
SWC-136	Unencrypted Private Data On-Chain	Passed



VULNERABILITY ANALYSIS

NO ERRORS FOUND



MANUAL CODE REVIEW

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time.

We categorize these vulnerabilities by 4 different threat levels.

THREAT LEVELS

High Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Medium Risk

Issues on this level are critical to the smart contract's performance, functionality and should be fixed before moving to a live environment.

Low Risk

Issues on this level are minor details and warning that can remain unfixed.

Informational

Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.



FOUND THREATS

⚠ Low Risk

If .call to marketing wallet fails when sending value, contract will halt on sell.

```
function sendValue(address payable recipient, uint256 amount) internal {
    require(address(this).balance >= amount, "Address: Insufficient balance.");

    (bool success, ) = recipient.call{ value: amount }("");
    require(success, "Address: Unable to send value, recipient may have reverted.");
}

function swapAndLiquify(uint256 contractBalance, Taxes memory temp) private lockTheSwap {
    .....
    uint256 marketingAmt = unitBalance * 2 * temp.marketing;
    if (marketingAmt > 0) {
        payable(marketingWallet).sendValue(marketingAmt);
    }

    uint256 devAmt = unitBalance * 2 * temp.dev;
    if (devAmt > 0) {
        payable(devWallet).sendValue(devAmt);
    }


    uint256 opsAmt = unitBalance * 2 * temp.ops;
    if (opsAmt > 0) {
        payable(opsWallet).sendValue(opsAmt);
    }
}
```

- Recommendation:
 - Remove the require statements in sendValue() function



FOUND THREATS

Informational

 Contract's ownership is renounced.
Owner cannot call 'only owner' reserved functions.



There is no information about the initial tokens distribution based on the project's whitepaper and/or website.

TOKENOMICS



WEBSITE

Website URL

<https://perry.finance/>

Domain Registry

<https://www.hostinger.com>

Domain Expiration

2025-03-05

Technical SEO Test

Passed

Security Test

Passed. SSL certificate present

Design

Single page design with appropriate color scheme and graphics.

Content

The information helps new investors understand what the product does right away. No grammar mistakes found.

Whitepaper

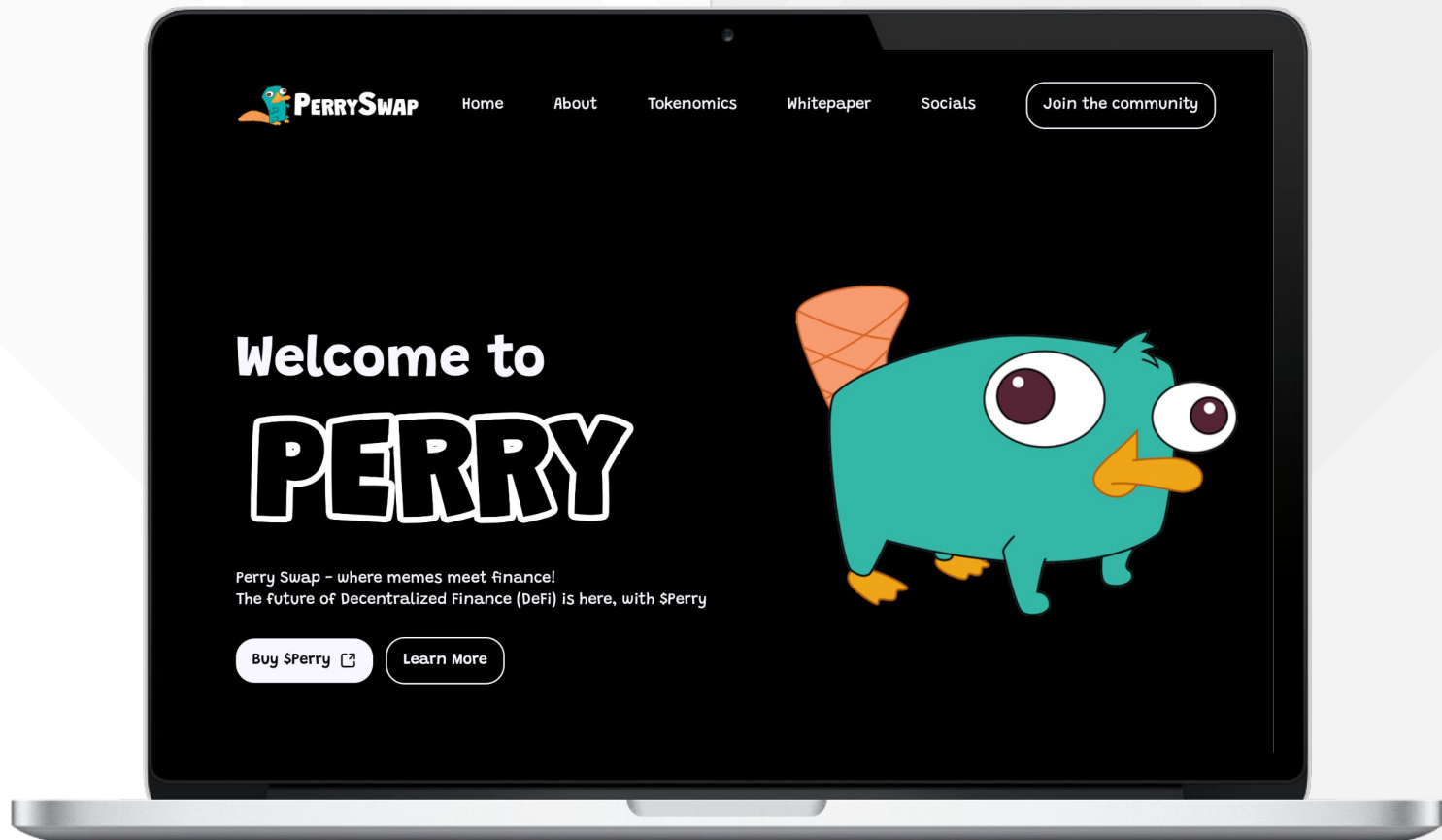
Well written but a bit short

Roadmap

No

Mobile-friendly?

Yes



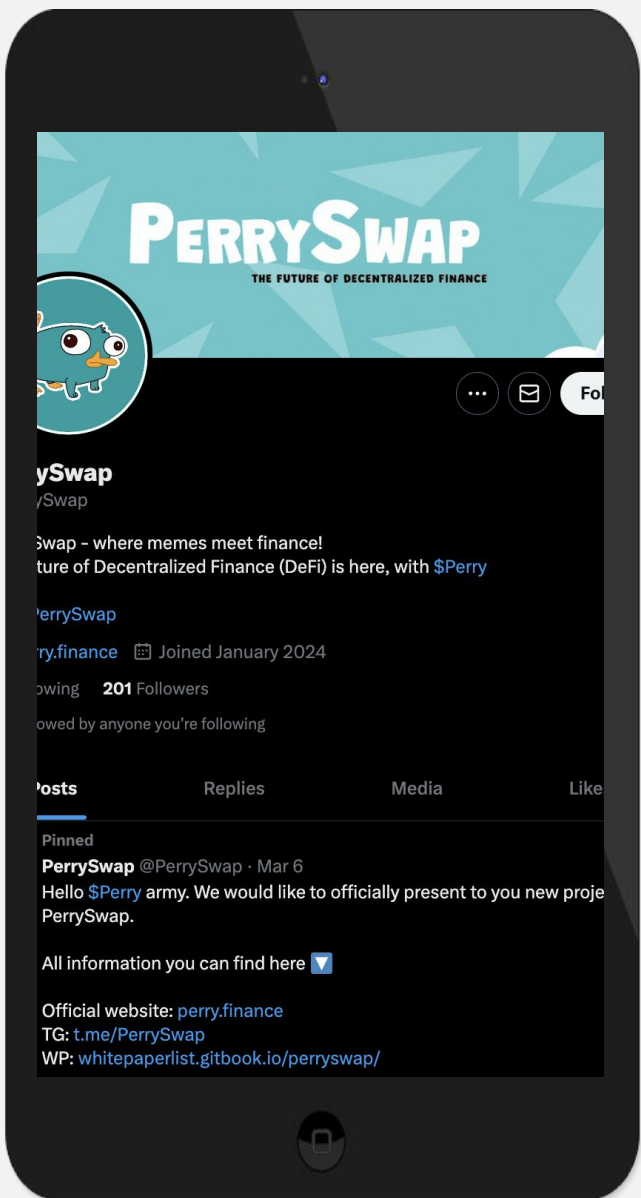
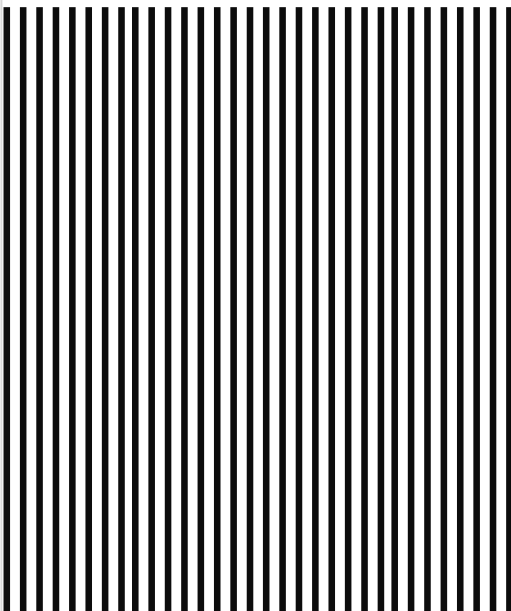
perry.finance



SOCIAL MEDIA & ONLINE PRESENCE



ANALYSIS
Project's social media pages are active



Twitter's X
@PerrySwap

- 314 followers
- Posts frequently
- Active



Discord

- Not available



Telegram
@PerrySwap

- 506 members
- Active members
- Active mods



Medium

- Not available



SPYWOLF

CRYPTO SECURITY

Audits | KYCs | dApps
Contract Development

ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

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Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.